

GUSLITS, S.V.; SLAVIN, G.P.; AGAFONOV, V.I.; BEZDENEZHNYKH, I.S.;
RALL', Yu.M., professor

"Course in specialized epidemiology." V.A. Bashenin. Reviewed by
S.V. Guslits and others. Zhur. mikrobiol., epidem. i immun. 27
no.3:104-108 Mar' 56. (MLRA 9:7)
(EPIDEMIOLOGY) (BASHENIN, V.A.)

RALL', Yu.M., prof.

"Bacteriology of plague" by V.M. Tumanskii. Reviewed by IU.M. Ball'.
Zhur.mikrobiol.epid. i immun: 30 no.2:156-158 P '59.

(MIRA 12:3)

(PLAGUE)

(TUMANSKII, V.M.)

RALL', Yu.M.; FEDOROV, V.N.

Problem of the physiological evaluation of rodents as carriers of plague and the one-host concept of its natural foci. Zhur. mikrobiol.epid.i immun. 31 no.2:29-35 P '60. (MIRA 13:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya, Stavropol'.
(PLAGUE transmission)
(RODENTS diseases)

RALL', Yuriy Mikhaylovich; YELKIN, I.I., red.

[Natural foci and the epizootiology of plague] Pri-
rodnaia ochagovost' i epizootologiya chumy. s predisi.
E.N.Pavlovskogo. Moskva, meditsina, 1965. 363 p.
(MIRA 18:3)

GNILOVSKIY, V.G., red.; KOZKO, D.I., red.; KOPEV, N.N., red.;
KUZNETSOV, P.M., red.; MIKHAYLOV, M.V., red.; NESIS,
Ye.I., red.; RAIL, Yu.M., red.; RAFALOVICH, M.B., red.;
STRAKHOV, S.M., red.; STEBLYANKO, I.V., tekhn. red.

[In this book are given the answers to the questions: 1. Are there intelligent beings on other planets? 2. What significance has the Kuban-Kalaus Irrigation and Water-Supply System for Stavropol? 3. What is travertine? How is it formed and for what purposes is it used?] V etoi knige dany otvety na voprosy: 1. Est' li razumnye sushchestva na drugikh planetakh? 2. Kakoe znachenie imeet dlia Stavropolia Kuban'-Kalausskaia obvodnitel'no-orositel'naiia sistema? 3. Chto takoe travertin, kak on obrazuetsia i v chem ego poleznost'? Stavropol', Stavropol'skoe knizhnoe izd-vo, 1960. 32 p. (MIRA 16:11)
(Plurality of worlds) (Kuban- Water supply)
(Travertine)

RALL', Yu.M.

"Plague in Mongolia" (Izvestia" of the Siberian and Far Eastern
Plague Research Institute in Irkutsk, vol.22). Reviewed by
IU.M.Rall'. Zhur.mikrobiol.epid.i immun. 31 no.11:159-162 N '60.
(MIRA 14:6)

(MONGOLIA—PLAGUE)

RALL', Yu.M.

"Ecology of animals and birds inhabiting oak woods of the forest-steppe zone" by G.A.Novikov, Reviewed by IU.M.Rall'. *Biul. MOIP.*
Otd. biol. 66 no.1:157-159 Ja-F '61. (MIRA 14:3)
(FOREST ECOLOGY) (NOVIKOV, G.A.)

LEVI, M.I.; RALL', Yu.M.

Some additions to a description of the principal carriers of plague microbes. Zhur.mikrobiol.epid.i immun. 31 no.9:44-48 S '60.

(MIRA 13:11)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya, Stavropol'.

(PLAGUE)

RALLI, M. M., PEDRINI, V. M.

"The epidemiological patterns and epidemiological characteristics of the natural foci of various types of the plague." Page 271

Desyatye soveshchaniye po parazitologicheskim problemam i zoonozozhnyam bolezniam. 22-29 Okt'yabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1. 254pp.

Antiplague Inst. of the Caucasus and Transcaucasus/Stavropol'

RALL', Yuriy Mikhaylovich

[The Russian steppes; sketches of a naturalist] Stepi ruskie;
ocherki naturalista. Stavropol', 1960. (MIRA 14:7)
(Steppes)

RALL', Yu.M., prof.

"Animal disease and human health". Reviewed by IU.M. Rall'. Zhur.
mikrobiol. epid. i immun. 31 no. 5:123-127 My '60. (MIRA 13:10)
(ANIMALS AS CARRIERS OF DISEASE)

MYASHKOVA, A.V.; RALL', Yu.S.; TRISVIATSKIY, L.A., doktor tekhn.
nauk, prof.; SHATILOV, I.S.; LETNEV, B.Ya., red.

[Commercial study of grain and the products of its processing]
Tovarovedenie zerna i produktov ego pererabotki. Moskva, Kc-
los, 1965. 486 p. (MIRA 18:8)

RALL', Yu.S., kand.biologicheskikh nauk, dotsent

Slowly developing mold of grain and its consequences.

Izv. TSKHA no.2:31-36 '62.

(MIRA 15:9)

(Molds (botany))

(Grain Diseases and pests)

RALL', Yuriy Mikhaylovich; ZASUKHIN, D.N., red.; BEL'CHIKOVA, Yu.S.,
tekh.n.red.

[Rodents and natural foci of the plague] Gryzuny i prirodnyy
ochagi chumy. Moskva, Gos.izd-vo med.lit-ry, 1960. 222 p.
(MIRA 13:11)

(RODENTS AS CARRIERS OF DISEASE) (PLAGUE)

17(2)

SOV/16-60-2-5/35

AUTHORS: Rall', Yu.M., Fedorov, V.N.

TITLE: The Physiological Evaluation of Rodents as the Carriers of Plague and the Monohostality of Its Natural Nidi

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960, Nr 2, pp 29 - 35 (USSR)

ABSTRACT: This paper was first presented at a conference on ecological physiology at the Institut fiziologii imeni I.P. Pavlova AN SSSR (Institute of Physiology imeni I.P. Pavlov of the AN USSR) on January 15, 1959. The authors summarize the theories on the role of rodents in the spread of plague adduced in their time by various researchers (N.V. Bashenina, P.F. Zdrovovskiy, N.I. Kalabukhov, V.A. Pryakhin, L.S. Malafeyeva, Mamed-Zade, R.S. Mikhaylova, E.A. Petrosyan, Ye.N. Pavlovskiy, A.A. Sinichkina, A.F. Dudnikova, I.S. Tinker, B.K. Fenyuk, etc.) They criticize attempts to explain the susceptibility of different species of rodents to plague and their ability to maintain plague nidi simply by random concoction of physiological indices and point out that the ecological features such as density of distribution, species, type of habitat, customs and behavior of the animals, etc. have more bearing on

Card 1/2

SOV/16-60-2-5/35

The Physiological Evaluation of Rodents as the Carriers of Plague and the Monochorality of Its Natural Nidi

the problem. Each natural plague nidus has a species of rodent which constitutes the dominant carrier, although other species of rodent in the area may also be susceptible to plague and act as carriers. Destruction of this main carrier will have a great beneficial epidemiological effect, even if the other species remain. This has been proved in practice in clearing up former nidi of plague in the Soviet Union.

There are: 16 references, 15 of which are Soviet and 1 English.

ASSOCIATION: Nauchno-issledovatel'skiy protivochumnyy institut Kavkaza i Zakavkaz'ya (Plague Research Institute of the Caucasus and Transcaucacia), Stravropol'

SUBMITTED: February 18, 1959

Card 2/2

RALL', Yu.M., prof.

"Izvestiya" of the Irkutsk Plague Research Institute for Siberia
and the Far East, vols. 27-28, 1958. Reviewed by IU.M. Rall'.
Zhur.mikrobiol.epid.i immun. 30 no.8:128-129 Ag '59. (MIRA 12:11)
(PLAGUE)

RALL', Yu.M.

"Papers of the Rostov Institute of Plague Control Research,"
vol. 12. Reviewed by IU.M.Rall'. Zhur.mikrobiol.epid. i
immun. 30 no.3:132-133 Mr '59. (MIRA 12:5)
(PLAGUE)

RALL', Yu.M.

Geography and characteristics of natural foci of plague in rodents.
Zhur.mikrobiol.epid. i immun. 29 no.2:74-78 F '58. (MIRA 11:4)

1. Iz Stavropol'skogo nauchno-issledovatel'skogo protivochumnogo
instituta Kavkaza i Zakavkaz'ya.

(PLAGUE, epidemiology,

geographic distribution of natural foci (Rus)

RAIL', Yu.M.

Ecological and geographical study of rodents of the Lake Issyk-Kul'
region (central Tien Shan) [with summary in English]. Mat. k pozn.
fauny i flory SSSR. Otd. zool. no.8:101-148 '47. (MIRA 11:3)
(Issyk-Kul' region--Rodentia)

S/025/60/000/011/003/008
A166/A026

AUTHOR: ~~Bell, Yu M.~~ Professor, Doctor of Biological Sciences (Stavropol-
na-Kavkaze)

TITLE: Intelligent Inhabitants of the Universe

PERIODICAL: Nauka i zhizn', 1960, No. 11, pp. 32 - 40

TEXT: The author speculates on the possibility of intelligent beings existing in the universe and maintains that within the solar system life probably exists only on Mars and Venus. The Soviet scientist N.P. Barabashev is of the opinion that the lower layers of Venus's atmosphere contain sufficient oxygen and water vapor to support life. The Soviet astrobiologist G.A. Tikhov has deduced the presence of flora on Mars from the changing colors of the Martian "seas" which are darkish in spring and summer and lighten in color as autumn advances. Tikhov compared this with infra-red photos of alpine vegetation areas where the plants, needing all the heat they can get even in summer, absorb the infra-red radiation from the sun and appear darkish on a photo. Comparison of spectra of these mountain vegetation zones with the spectra of the Martian "seas" indicates that these "seas" are really areas of vegetation. Because of the shortage of

Card 1/2

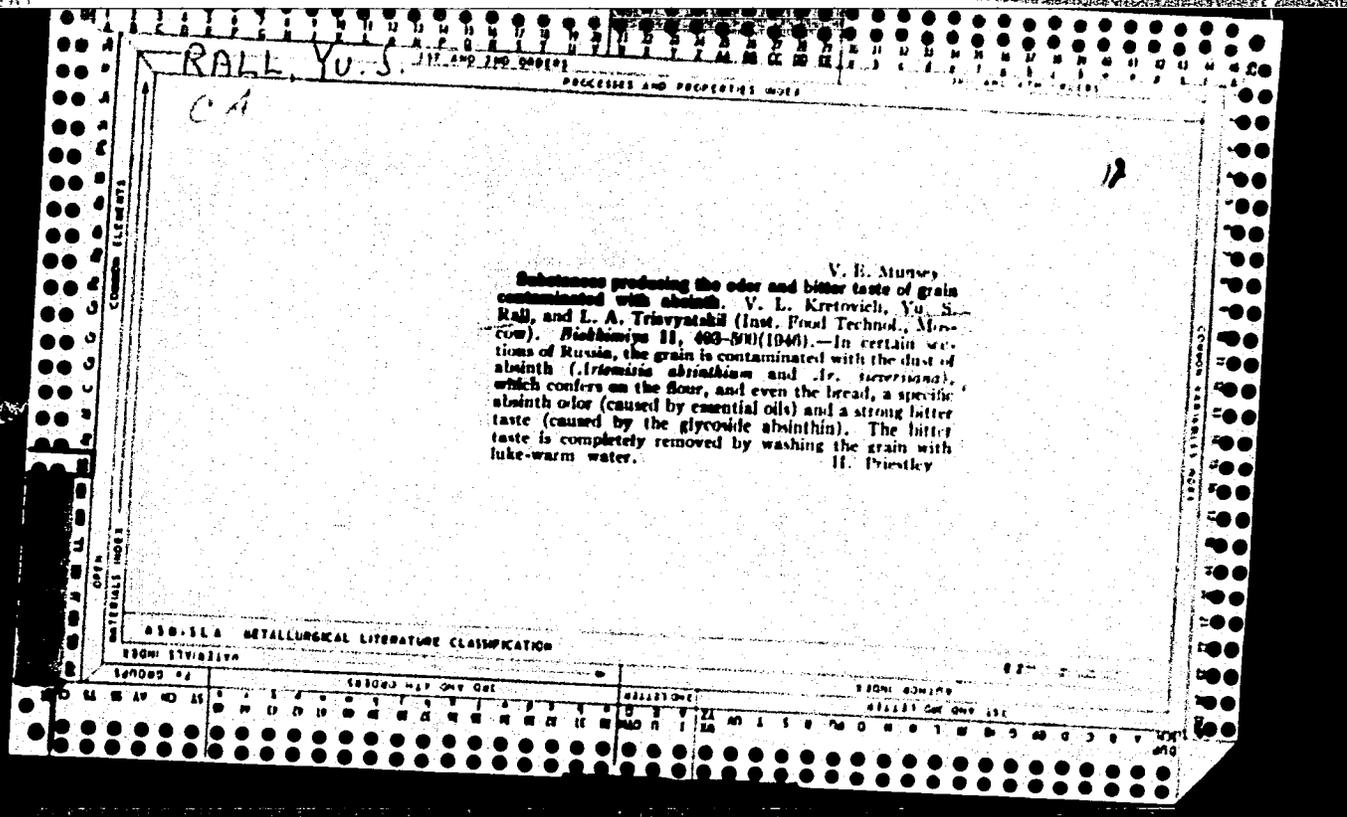
J

S/025/60/000/011/003/608
A166/A026

Intelligent Inhabitants of the Universe

free oxygen on Mars and Venus the author disclaims the possibility of intelligent life on these planets. Mars may yield simple lichens, moss and small fauna of the infusoria type, while Venus may have fairly high developed flora and some simple fauna. Intelligent life, he believes, must certainly exist outside the solar system. He argues that the higher beings will be very similar to man in mentality and physiological nature. They will have speech and a social organization.

Card 2/2



TRISVIATSKIY, L.A., doktor tekhn.nauk, prof.; RAILL', Yu.S., kand.
biologicheskikh nauk; PAFENOVA, E.N., Inzhener-tekhnolog

Biochemical processes in corn grain with moisture content
close to the critical point [with summary in English].

Izv. TSKhA no.4:15-19 '60. (MIRA 13:9)
(Corn(Maize))

RALL', Yu.S., kand.biologicheskikh nauk, dotsent

Effect of experimental below freezing temperatures and winter
storing conditions on the germination and biochemical properties
of corn seeds. Izv. TsKha no.5:35-43 '61. (MIRA 14:12)

(Plants, Effect of temperature on)

(Corn (Maize))

RALL', Yu.S., kand.biolog.nauk, dotsent

Physiological and biochemical characteristics of corn seeds at
various stages of ripening. Izv.TSKHA no.4:64-68 '62. (MIRA 15:12)

(Corn (Maize))

Rally U.S.
RALL

✓Antioxidants in seeds of oil-bearing cultures. V. L. Kretoovich and Yu. S. Rall. *Biokhim. Zerna, Sbornik* 1956, No. 3, 188-94. Defatted flour of seeds of oil-bearing cultures (sunflower, castor bean, mustard, flax, hemp) possesses a sharply defined antioxidant capacity. The activity is concd. in the alc. and water exts. of sunflower and in water and salt exts. of hemp and flax. The antioxidant activity of the alc. and water exts. of sunflower is detd. by the presence of chlorogenic acid. Alc. solns. of chlorogenic acid, added to stored oil, inhibited increase in its peroxide no. and prevented the dehydration of the oil. Antioxidant activity of water and salt exts. of hemp and flax is detd. by the proteins present therein. Proteins of hemp and flax seeds, added to stored oil, inhibited the increase in peroxide no. and prevented the dehydration of the oil. J. A. Stekol

med

FESTA, N., kand.tekhn.nauk; RALL', Yu., kand.biologicheskikh nauk

"Microbiology of grain and flour" by E.N.Mishustin and L.A Trisviatskii. Reviewed by N.Festa, IU., Rall'. Muk.-elev.pron.26 no.7:30-31 J1 '60. (MIRA 13:8)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti (for Festa). 2. Moskovskaya sel'skokhozyaystvennaya akademiya in. K.A. Timiryazeva (for Rall').

(Grain--Analysis)
(Mishustin, E.N.)

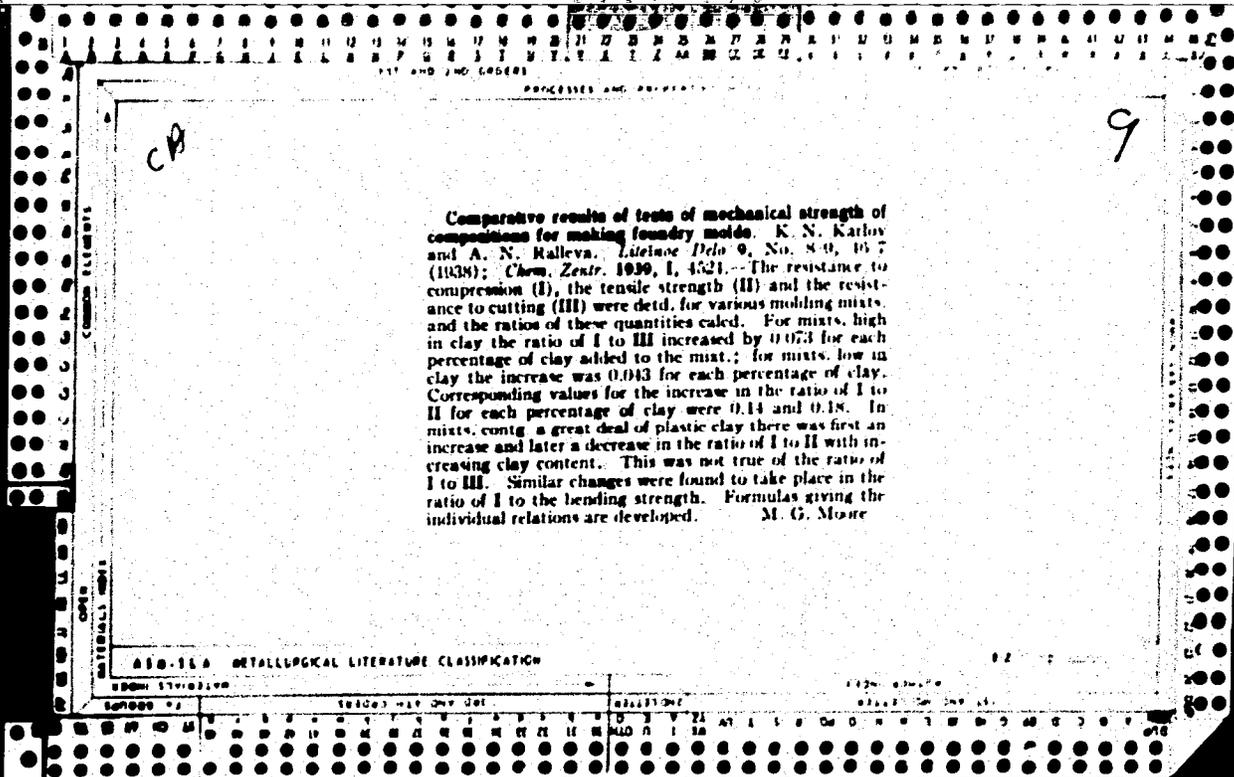
(Flour--Analysis)
(Trisviatskii, L.A.)

POSTNIKOV, I.M. (Kiyev); RALLE, V.V. (Kiyev)

Determination of the parameters of a parametric (reactive) motor.
Elektrichestvo n.3:57-60 Mr '63. (MIRA 16:4)
(Electric motors)

RALLE, V.V., inzh.

Special features of the operation of a synchronous reactive motor with
frequency control. Energ. i elektrotekh. prom. no.1:15-16 Ja-Mr '55.
(MIRA 13:5)



RALLO, L.K.

Practices in specialized poultry raising in the trans-Volga region;
 213 eggs per layer in a flock of 30,000 hens. *Zhivotnovodstvo* 24, no.9:
 APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013

1. Glavnyy zootekhnik gosudarstvennogo plemennogo ptitsevodcheskogo zavoda "Krasnyy Kut", Saratovskoy obl.
 (Poultry)

BAL'NIKOV, I.M.; POLIKH, V.V.

"Zuk" unit for automating single-stage milling cycles at ore dressing plants. TSvet. met. 38 no.6:14-18 Je '65.

(MIRA 18:10)

RAL'NIKOV, L.M., inzh.; SOROKER, L.V., inzh.

Using acoustic parameters in the automatic control of the comminution process in wet mills with a closed cycle. *Izv.vys.ucheb.zav.*; gor.zhur. 7 no.2:149-155 '64. (MIRA 17:3)

1. Severo-Kavkazskiy filial "TSvetmotavtomatika". Rekomendovana Vsesoyuznoy konferentsiyey po avtomatizatsii proizvodstvennykh protsessov.

PIDORICH, V.V., inzh.; RAL'NIKOV, L.N., inzh.

Device for the automatic measurement and recording of the granulometric composition of pulp. Gor. zhur. no.6:50-52 Je '65. (MIRA 18:7)

1. Severo-Kavkazskiy filial konstruktorskogo byuro TSvetmetavtomatika, Ordzhonikidze.

MORELJ, Marja, prof. dr.; GERBEC, Miro, prof. dr.; BOGDANOV, Lea, doc.dr.;
TURK, Anka, dr.; NIKOLIC, Borivoj, dr.; BALOGANOVIC, Miroslav, dr.

Some current findings on acute respiratory infections of viral
etiology. Med. glas. 19 no.8/9:205-209 Ag-S '65.

1. Vojnohigijenski zavod VMA u Beogradu (Nacelnik: prof. dr. M. Morelj).

RAL'NIKOVA, Ye.S.

Cytologic determination of the sex in examining parts of
corpses recovered from water; experimental study. Sud.-med.
eksp. 8 no.3:15-20 J1-S '65. (MIRA 18:9)

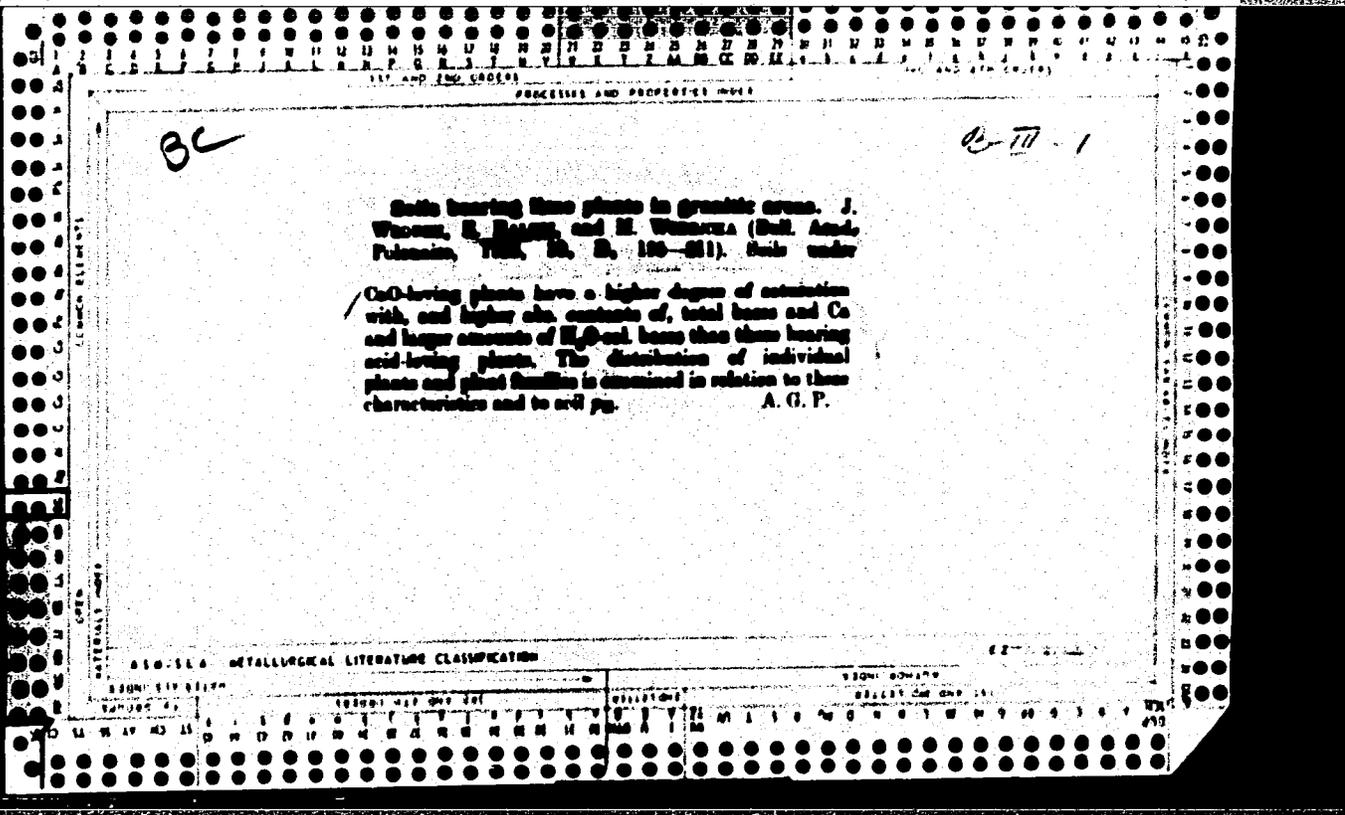
1. Kafedra sudebnoy meditsiny (zav.- dotsent B.S. Kasatkin) i
TSentral'naya nauchno-issledovatel'skaya laboratoriya (zav.-
dotsent L.B. Gel'dner) Permskogo meditsinskogo instituta.

AM

RALSKI (E.). *Biopowstanie i rzy biologiczne rzy brunatnej Puccinij Puccinia triticina Erikss. w Polsce.* [The distribution and physiologic forms of brown rust of Wheat (*Puccinia triticina* Erikss.) in Poland.]—*Roczn. Nauk rol., Poznań*, xxxviii, 1, pp. 112-133, 1 col. pl., 1 map, 1937. [German summary.]

Brown rust of wheat (*Puccinia triticina*) is stated to be very prevalent and destructive in south Poland [*R.A.M.*, iv, p. 314], where it presumably overwinters in the form of uredo mycelium, no alternate host having been observed. Five physiologic forms of the rust (ibid., xvi, p. 163) have been differentiated, of which XIII and XX are the most prevalent, XXI of common occurrence, and XVIII and XXIV very rare. None of the native winter and summer wheats or of some 300 foreign varieties used in two years' experiments displayed any marked degree of resistance to the Polish forms of *P. triticina*. The only practicable solution of the problem would appear to lie in the development of resistant strains from 28-chromosome and foreign wheats.

ATG-516 METALLURGICAL LITERATURE CLASSIFICATION



PALSKI, E.
J. WLODEK, Bull Acad Polonaise, 1931, B, 103-122

PROCESSING AND PROPERTIES MODEL

B-III-1

BC

Analysis of certain mineral substances by plants
 of the more important economic products of the
 Ukraine. *Chimicheskiy Zhurnal* in connection with
 R. B. B. (Russ. Acad. Sci. Mem., 1928, 20, 450-474);
Met. Abstr., 1928, A, 2, 370-373. Effects of deep
 sowing on the mineral content and quality of the pasture
 are compared. A. G. P.

450-314 METALLURGICAL LITERATURE CLASSIFICATION

EDMONTON DIVISION

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Chemical determination of meadow soils. *Edwaard-
Patsky, *Zeitsch. der Forest Anz.* 48, 285-95, 1927. Cf.
E. Klapp and H. Wagner, *Arch. Pharm.* 8, 725-31, 1932.*

The meadow content of a mineral substance in hay is
proportional to the content of that substance in the soil.
Reviews critically the results obtained by a group of
workers in this field and cites the literature in each case.
J. J. Matczak

PROCESSES AND PROPERTIES INDEX

15

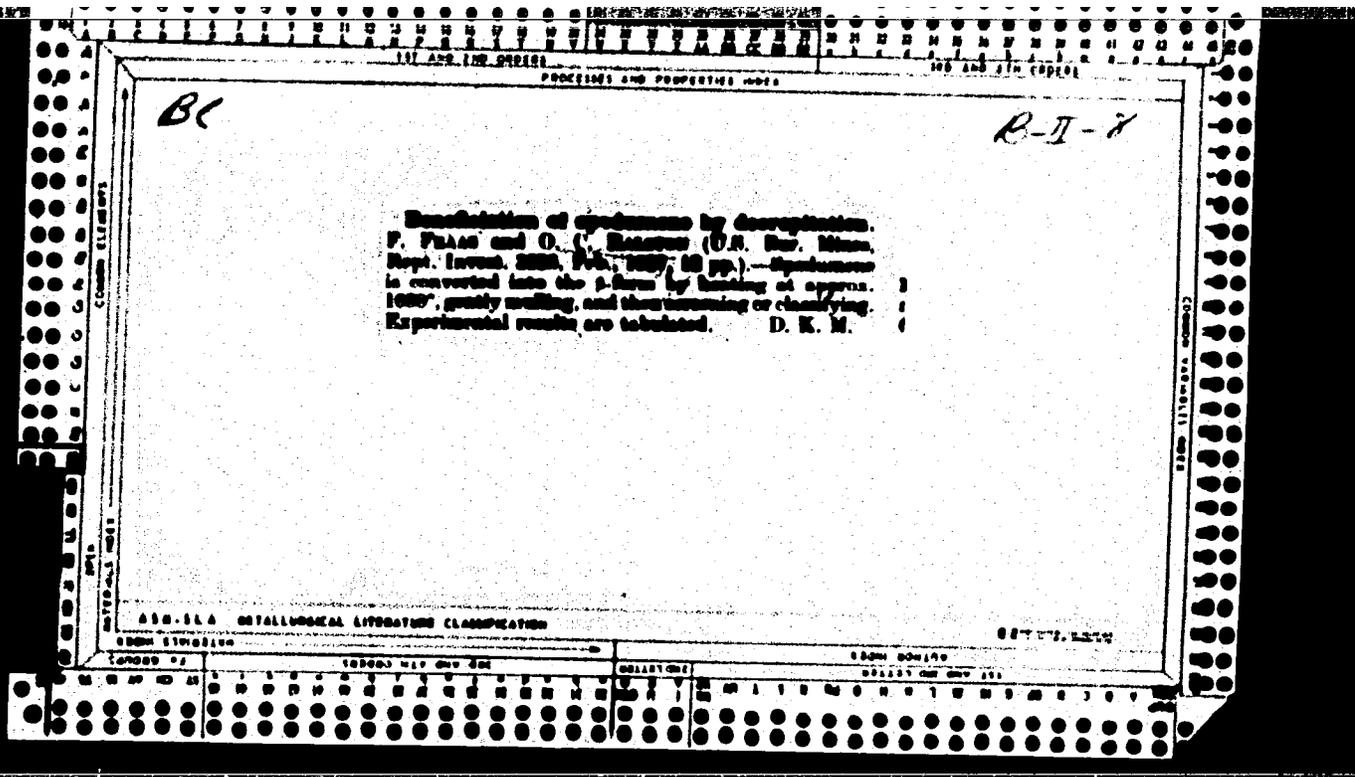
co

The intake of mineral substances by plants of important mountain pasture groups of West Carpathian Mountains in the relation to fertilization. Edward Hakki, *Polish Agr. Forestal Ann.* 20, 423-48(1953) in German. (1953).—*Nardus stricta* is poor in Ca and P, rich in N (protein); the contents of Ca and P are low in *Agrostis vulgaris*, that of K is twice as high as in *Nardus*. The low contents of Ca and P of mountain pastures of Carpathian Mountains as against those of Switzerland and Norway are explained by the Ca and P deficiency of their rocks. The importance of K and ratios of these elements is emphasized. J. Kufera

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

RALSKI, Eugeniusz

Development of resistance breeding during the last twenty years.
Postepy nauk roln 11 no.6:17-23 N-D '64.



ISKRITSKIY, D.Ye.; RAL'TSEVICH, N.V.

Choice of the cross section of catch cans. Ser. Zhur. no. 9:73
S '61. (MIRA 16:7)

1. Leningradskiy korablestroitel'nyy institut.
(Hoisting machinery)

RAL'TSEVICH, N.V.

Transformation of equations of capacity and economy in the general form based on functional relations between the basic criteria for the blowing process: the filling and the combustion in two-stroke diesels. (MIRA 14:7)
Trudy LKI no.29:189-191 '59.

1. Leningradskiy korablestroitel'nyy institut, kafedra sudovykh dvigateley vnutrennego sgoraniya.
(Marine diesel engines)

ISKRITSEIY, D.Ye.; RAL'TSEVICH, N.V.

Control of the watertightness of joints in emergency mine gates.
Gor. zhur. no.12:62 D '60. (MIRA 13:12)

1. Leningradskiy korablestroitel'nyy institut.
(Mining engineering) (Sealing (Technology))

RAL'TSEVICH, N.V.

Fatigue testing machine for flat specimens. Zav.lab. 25 no.3:356-357
'59. (MIRA 12:4)

1. Leningradskiy korablestroitel'nyy institut.
(Fatigue testing machines)

25(2)

507/32-25-3-39/62

AUTHOR: Ral'tsevich, N. V.

TITLE: Machine for Fatigue-tests of Flat Samples (Mashina dlya ispytaniy na ustalost' ploskikh obraztsov)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 356-357 (USSR)

ABSTRACT: The machine LKI NR-100 (Fig 1) was constructed and is to serve for resistivity-tests of tin material samples at normal flat-bending. The flat sample (Fig 2) is deformed by means of a lever by a connecting rod over a rotary crank which is driven by an electromotor. Thus, the sample is subjected to an axial tensile-pressure-load and a pure flat-bending. The construction of the machine permits tests at any asymmetrical coefficient of bending stress. It is possible to test samples of different length and, by exchanging a short lever for a long one the bending moment can be increased. For measuring the operational stages of the machine a revolution counter is used. On breaking the sample the electromotor is automatically switched off. There are 2 figures.

Card 1/2

SOV/32-25-3-39/62

Machine for Fatigue-tests of Flat Samples

ASSOCIATION: Leningradskiy korablestroitel'nyy institut (Leningrad Ship
Building Institute)

Card 2/2

KALITSEVICH, M. V.

KALITSEVICH, M. V. - "Investigation of the Features of the Operation of a Supercharged Two-cycle Ship Engine with Diverging Pistons." Leningrad Shipbuilding Inst, Leningrad, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaia Letopis' No. 26, June 1955, Moscow

KULAKOVSKIY, A., inzhener; RAL'TSEVICH, V., inzhener.

Practice in the construction of precast concrete granaries.
Muk.-elev.pren. 21 no.11:22-25 N '55. (MIRA 9:4)

1. Gosudarstvennyy institut Prensnerproyekt.
(Precast concrete construction) (Granaries)

RAL'TSEVICH, V., inzh.

Increase the level of construction work using mobile sections. Muk.-
elev. prom. 28 no.6:24-26 Je '62. (MIRA 15:7)

1. Gosudarstvennyy proyektnyy institut po proyektirovaniyu predpriyatiy
i sooruzheniy zernovoy i mukomol'noy promyshlennosti.
(Construction equipment) (Concrete construction)

RAL'TSEVICH, V.A.; PIATENKOV, V.M.

Improved design of sliding forms. Prom. stroi. 40 no.5:41-44
'62. (MIRA 15:5)

(Kaunas---Concrete construction---Formwork)

SHUKHMAN, Z.; SHTAMM, V.; SHLEYMOVICH, S.; KALMYKOV, P.; RAL'TSEVICH, V.;
PYATENKOV, V.; POTEMIN, I.; SOKRATOV, Yu.

There are all conditions for building strong and good elevators. Muk.-elev. prom. 29' no.8:18-19 Ag '63. (MIRA 17:1)

1. Zamestitel' upravlyayushchego trestom TSentroelevatormel'stroy (for Shtamm). 2. Nachal'nik sektora organizatsii stroitel'nykh rabot Gosudarstvennogo instituta Promzernoprojekt (for Ral'tsevich). 3. Starshiy inzh. TSentral'nogo konstruktorskogo byuro tresta Spetselevatormel'montazh (for Potemin). 4. Zamestitel' nachal'nika proizvodstvenno-tekhnicheskogo otdeleniya tresta Petropavlovskel'evatormel'stroy (for Sokratov).

GOLOVNYA, Ivan Tikhonovich, inzh.; KUROCHKIN, Aleksey Mikhaylovich,
inzh.; RAL'TSEVICH, Viktor Apollinar'yevich, inzh.; SHEVISOV,
Georgiy Aleksandrovich; SAMOYLOVA, G.V., red.; GOLUBKOVA, L.A.,
tekh. red.

[Fundamentals of construction] Osnovy stroitel'nogo dela. By
I.T.Golovnia i dr. Moskva, Izd-vo tekhn.i ekon. lit-ry po vo-
prosam khleboproduktov, 1960. 243 p. (MIRA 15:1)
(Building) (Grain handling)

KALTYKOV, F.V.; BAL'TSEVICH, V.A.; KHOROSHIY, I.S.; SHAYKHOVICH,
S.A.; SHUKHMAN, Z.S.; ARIELI, E.I.

[Building reinforced concrete structures in sliding forms]
Vozvedenie zhelezobetonnykh sooruzhenii v skel'zistobel
opalubke. Moskva, Stroizdat, 1965. 306 p. (MIRA 18:12)

KULAKOVSKIY, Arnol'd Borisovich; RAL'TSEVICH, Viktor Apollinar'yevich;
VYSOTSKAYA, R.S., red.; SAVEL'YEVA, Z.A., tekhn. red.

[Precast reinforced concrete in the construction of enterprises
which store and process grain] Sbornyi zhelezobeton v stroitel'-
stve predpriatii po khraneniui i pererabotke zerna. Moskva, Izd-
vo tekhn. i ekon. lit-ry po voprosam khleboproduktov, 1960. 77 p.
(Precast concrete construction) (Grain handling)

RAL'TSEVICH, V., inzh.; PAVLOV, V., inzh.; PYATENKOV, V., inzh.;
FUNSHTEYN, E., inzh.

Mechanized placement of concrete into mobile molds of round silos.
Muk.-elev. prom. 27 no.1:14--15 Ja '60. (MIRA 1/1)

1. Gosudarstvennyy institut Promzernoprojekt.
(Concrete construction) (Grain elevators)

RAI/TEBUICH, V.A.

Sliding forms made of new materials. Probl. Stroif. 41 no.5:25-27
Ja. 1961. (MIRA 17:9)

RAL'TSEVICH, V. N.

"Cybernetics and Dialectic Materialism," XV nauchnaya konferentsiya
Leningradskogo inzhenerno-stroitel'nogo instituta (LISI) /15th Scientific
Conference on the Leningrad Construction Engineering Institute/, Proceedings,
1957, Pages 5 - 10.

RALUCA

CATIONIC :
 ANNA. JOUR. : RZKHM., No. 21 1959, No. 74-33
 AUTHOR : Raluca, R. and Varhelyi, C.
 INST. : Not given
 TITLE : Derivatives of the Heteropoly Acid $H_2[Ag(3+)(IO_6)_2]$
 ORIG. PUB. : Kolozsvari Egyet. Köz. Természettud. Ser. 2, No 1-2, 105-114 (1959)
 ABSTRACT : The reaction of $H_2H[Ag(IO_6)_2] \cdot 15H_2O$ with the nitrates of the appropriate metals has given compounds of the type $A_2H[Ag(IO_6)_2]$ and $H_2H[Ag(IO_6)_2]$, where $A = Ba, Zn, or Cd$, and $(IO_6)_2H[Ag(IO_6)_2]$.
 From authors' summary

CARD: 1/1

RALYA, R. [Ralea, P.]

Polarographic "Mixed Currents." Rev chimie 7 no. 1:
431-438 '62.

1. Institut khimii "Petru Poni" Akademii Nauk RNR, Yassy.

RAL'YANOV, A.P.; POMAZANOV, I.A.; SHUL'GA, V.G.; BALUKOVA, A.A.

Work practices according to a new technology in the Adler Tea Factory
in 1960-1961. Biokhim. chain. proizvod. no.9:96-102 '62.
(MIRA 16:4)

1. Adlerskaya chaynaya fabrika i Krasnodarskiy nauchno-issledovatel'skiy
institut pishchevoy promyshlennosti, Krasnodar.
(Adler--Tea)

KUKAVTSOV, V.F.; STIFATOVA, N.N.; KOBOKIN, V.B.; MOROZOVA, T.I.;
SOPRONOVA, V.A.; SHAPOROST, P.D.; PLATONOVA, N.P.; YEBEMENKO, O.S.;
IVANOVA, A.M.; SILAYEVA, N.Ya.; SUYETINA, S.M.; RAL'YANOVA, I.Ye.;

Study of the dust factor in the founding departments of six
Krasnodar plants. Nauch. trudy Kub. gos. med. inst. 19:63-76
162. (MIHA 17:8)

1. Iz sanitarno-epidemiologicheskoy stantsii g. Krasnodara
i polikliniki No.8 Krasnodara.

RAJJEVIĆ, J.

Mathematical Reviews
Vol. 14 No. 10
Nov. 1953
Geometry

Rajević, Šekija. Sur une généralisation de la droite et du segment d'Euler. Hrvatsko Prirodoslovno Društvo. Glasnik Mat.-Fiz. Astr. Ser. II. 8, 47-48 (1953). (Serbo-Croatian. French summary)

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137 AND 2ND ORDERS

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29

Geophysical prospecting for graphite near Mavinahalli, Mysore district. M. B. Ramachandra Rao. *Records Mysore Geol. Dept.* No. 46, 70 (1945) (Pub. 1948). The extent of a graphitic hole in ultrabasic rocks near Mavinahalli was investigated by spontaneous polarization and earth resistivity methods, but results were negative. The known graphitic hole gave indistinct reactions, but fairly strong elec. reactions were met elsewhere. These proved not due to graphite but to most clayey materials of post-volcanic or fault zones. Marie L. Finckel

U.S. METALLURGICAL LITERATURE CLASSIFICATION

137 AND 2ND ORDERS

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RAMADANOVIC, D

STANKOVIC, D.; RAMADANOVIC, D.; PLACASEVA, T.

Effect of vitamin C on physical work in hot environment, I. Vitamin C level in blood in workers exposed to heat. Arh. hig. rada 5 no. 2:185-192 1954.

1. Higijenski savod, Sarajevo, Radnja primljena 16.III.1954.
(VITAMIN C, in blood
in workers exposed to heat)
(HEAT, eff.
on vitamin c in blood in workers exposed to heat)
(BLOOD
vitamin C, in workers exposed to heat)

MEKHTELYEV, S.D.; RAMDANZADE, S.M.; BEZHENTSEVA, L.R.; KALIYANOV, V.V.;
MAMEDOVA, Sh.K.

Production of tertiary octybenzoic acid by the liquid phase
oxidation of octyltoluene with atmospheric oxygen. Azerb. khim.
zhur. no. 2:51-54 '65. (MIRA 18:12)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova,
Submitted January 19, 1966.

RAMAKRISHNA, B.S.

LAKSHMANA RAO, S.K., AND RAMAKRISHNA, B.S.

A trigonometric series used in physical problems. Nature 171,
308-309 (1953)

SOURCE: Mathematical Review, Vol. 14, No. 7, July- Aug. 1953 , Unclassified

RAMAKRISHNA, V.

Dipole moments of derivatives of glucose, galactose, and lactose. II. Dioxane as solvent. V. Ramakrishna (Indian Inst. Sci., Bangalore). *Kobun Z.* 133, 4-1 (1954) (English); *Ch. C.A.* 47, 11851f. — The dipole moments of the pentaacetyl derivs. of *D*-glucose are much higher in dioxane soln. than in benzene. This is attributed to the lower dielec. moment of this solvent, and to the 2 active centers which promote an orienting effect on the polar solute. Values at 30° and 40° are: 2,3,4,6-tetraacetyl- α -acetyl-*D*-glucose, 3.75 and 3.77; β -deriv., 3.10 and 3.18; 2,3,4,6-tetraacetyl- α -methyl-*D*-glucose, 2.48 and 2.61; β -deriv., 3.58 and 3.64; 2,3,4,6-tetramethyl- α -methyl-*D*-glucose, 1.94 and 1.99; β -deriv., 1.99 and 2.04; 2,3,4,6-tetraacetyl- β -acetyl-*D*-galactose, 2.63 and 2.64; octaacetate of *D*-galactose, 3.47 and 3.33. A. Vanhook

RESUMPTA MEDICA Sec 19 Vol 3/2 Rehabilitation Feb 60

24b: **Gonarthrosis** Gonatroze (artroze zgloba kolena). RAMADIER J. O. and
DOKEN M. Klin. Ortop., Parizu *Acta chir. iugosl.* 1958, 5:4 (373-384) Tables 6
Illus. 9

The problem of the surgical treatment of gonarthrosis is discussed, based on experience with 82 operated cases. Most of these cases were essential gonarthroses, others were of static origin or due to recurrent dislocation of the patella. Special attention is given to the fairly high frequency of chondromalacia of the patella and also to the technique of axial radiological examination of the knee and its importance for the early diagnosis of gonarthrosis. The surgical methods of treatment of the condition are discussed, from the old procedures to the latest attempts at plastic operations with various endoprotheses. The most important method is patellectomy, which was applied in the majority of the cases (44), in only 14 of which results were not satisfactory.

SHENOI, B.A.; RAMADGSS, S.

Influence of addition agents in sulfuric acid anodizing bath on coating ratio. *Bul Chim PAN* 11 no.6:355-359 '63.

1. Central Electrochemical Research Institute, Karaikudi, 3, India. Presented by M. Smialowski.

co

A new type of magnetic birefringence. C. V. RAMAN AND S. W. CHINCHALKAR
Nature 128, 755-9 (1931).—Salts of Ce, Pr, Er and Yt in aq. solns. when observed in
 strong magnetic fields, exhibit magnetic birefringence of the kind suggested by the
 orientation theory. In every case, with visible light, the birefringence is neg. and ap-
 pears to be proportional to the concn. of the solns. Solns. of La and Cd fail to show
 this effect. FeCl₃ solns. free from any suspended colloidal matter exhibit a noticeable
 magnetic birefringence. Variations of the effect with wave length of light and with
 temp. have not yet been detd. M. McMAHON

438 366 METALLURGICAL LITERATURE CLASSIFICATION

RAMAN, C.V.

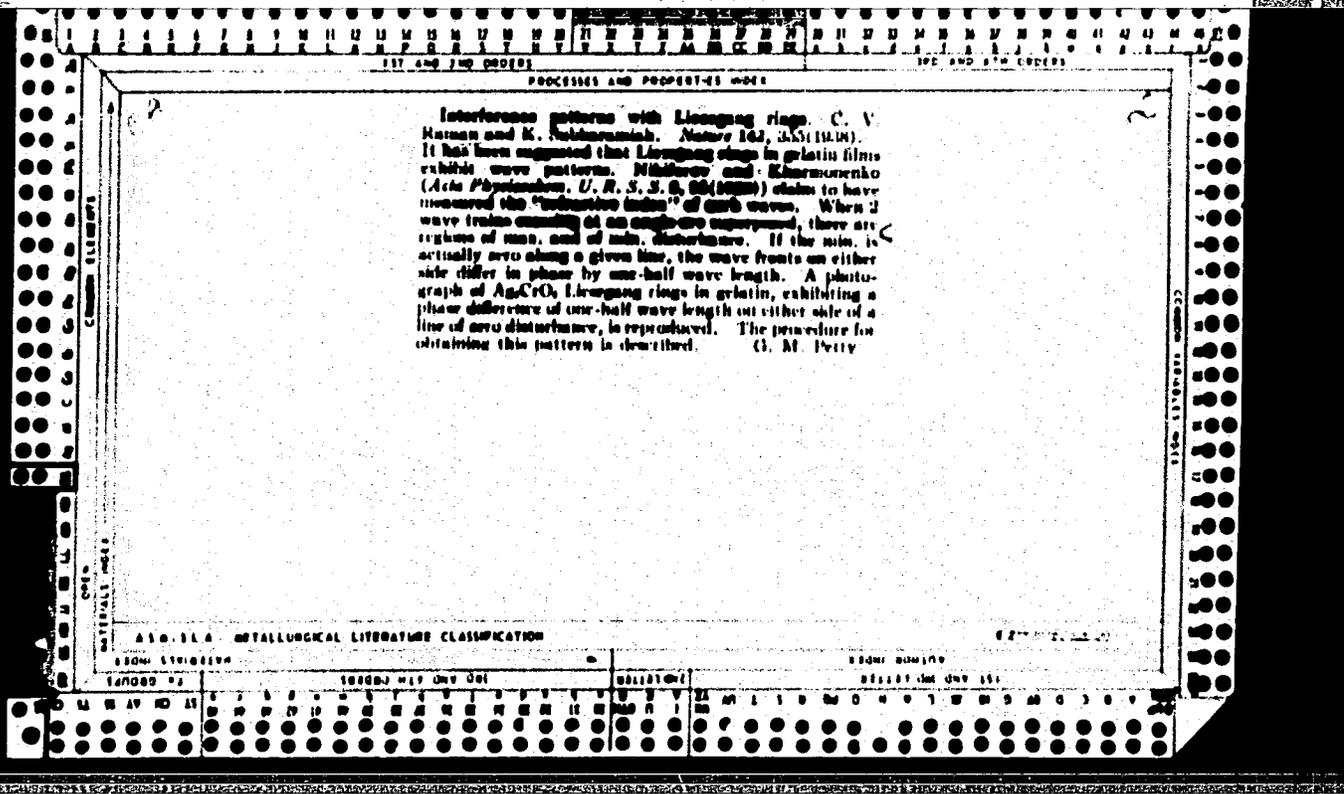
My visit to Budapest. Fiz szemle 9 no.5:164 My '59.

RAMAN, Ch.V. (Indiya)

Christiaan Huygens and the wave theory of light. Vop.ist.est.i
tekh. no.10:3-8 '60. (MIRA 14:3)
(Light, Wave theory of) (Huygens, Christiaan, 1629-1695)

RAMAN, C.V., Sir; BUVARI, Andras, dr. [translator]

Christian Huygens and the theory of wave of the light. Fiz szemle 10
no.7:202-205 J1 '60.



RANK, I.G., Land Econ Sci--(disc) [Technology of agriculture in the
scapes of Central Vietnam (Lutyn in 1982).] [Lutyn, 1978. 20 p. (Lutyn
Stud. U. in Econ Sci), 200 series (11, 2-10, 100)]

- 43 -

RAMAN, K.G.

Methods for the classification of small geographical complexes
of glacial relief and their division into regions. Nauk zap. L'viv.
un. 40:72-80 '57. (MIRA 11:6)

1. Latvyskiy gosudarstvennyy universitet, Riga.
(Latvia--Physical geography)

K. G. RAMAN (Latvian Univ.) V. D. BOBOK AND N. N. DZENS-LITOVSKAYA (Leningrad Univ.)
V. A. DEMENT'YEV (Byelorussian Univ.), A. V. STUPISHIN (Kazan' Univ.), B. A. LUNIN
(Kirghiz Univ.) and Yu. A. Usmanov (Bashkir Inst. of Agriculture)

"The economic division of their respective regions"

report presented at an Inter-University Conference on Dividing the USSR into
Economic Regions, 1-5 February 1958, Moscow. (Izv. Ak nauk SSSR, 4,146-49;
1958 author - Gvozdetskiy, N. A.)

RAMAN, M.

Investigation of systems of consumption of hot water by thermification.

p. 107 (Voprosy Energetiki) Vol. 4, 1956, Riga, Latvia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

RAMAN, N., kand. tehn. nauk, red.; BUCHNIEV, N. [Buchnev, N.],
red.

[Electric power supply of passenger trains] Energosnabzhenie
passazhireskogo poezda. Riga, Zinatne, 1965. 160 p.
(MIRA 18:11)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu
Akademija. Energetikas instituts.

RAMAN, M. [Ramans, M.]; STAFETSKIY, L. [Stafeckis, L.]

Results of testing the air conditioning system for passenger cars.
Izv. AN Latv. SSR no.5:53-60 '62. (MIRA 16:7)

1. Institut energetiki AN Latviyskoy SSR.
(Railroads--Cars--Air conditioning)

~~RAMANIS~~ M. [Ramanis, M.]

Contribution of Latvian scientists to national economy. Nauka i
zhyttia 12 no.7:4-5 J1 '62. (MIRA 16:1)

1. Predsedatel' Gosudarstvennogo komiteta Soveta Ministrov
Latviyskoy SSR po koordinatsii nauchno-issledovatel'skikh rabot.
(Latvia--Research)

RAMAN, M.

Shortening the safety distance around liquefied gas cylinders Gaz. prom.
no.10:32-34 0 '58. (MIRA 11:11)
(Liquefied petroleum gas--Safety measures)

RAMAN, M.; VAL'TER, M., red.; PAEGLIS, Ya. [Paeglis, J.], tekhn. red.

[Use of liquefied gases in the Latvian S.S.R.] Ispol'zovanie
szhizhennykh gazov v Latviiskoi SSR. Riga, Tsentral'noe biuro
tekhn. informatsii, 1960. 6 p. (MIRA 14:12)
(Latvia—Liquefied petroleum gas)

1986-08-01

Development of r. (rigorization) in the Latvian S.S.R. (no. 12)
1986-08-01 (1986-08-01)

1. Predsedatel' Gosplana Latvyskoy SSSR.

RAMAN, M.I. [Ramana, N.], kand. tekhn. nauk (Riga)

Centralized electric power supply of passenger trains. Zhel. dor.
transp. 47 no.8:55-59 Ag '65. (MIRA 18:9)

ACC NR: AF7005267

SOURCE CODE: UR/0371/66/000/006/0084/0090

AUTHOR: Nayer, V. A.—Naers, V.; Raman, M. L.—Ramans, M.; Simanovskaya, A. Ye.—
Simanovska, A.; Stafetskiy, L. P.—Stafeckis, L.; Shalenyy, E. G.—Salonijs, E.

ORG: Institute of Physics and Power Engineering of the Academy of Sciences, Latvian
SSR (Fiziko-energeticheskiy institut AN Lat)

TITLE: Investigation of semiconductor thermopiles for cooling and heating of air

SOURCE: AN LatSSR. Izvestiya. Seriya fizicheskikh i tekhnicheskikh nauk, no. 6,
1966, 84-90

TOPIC TAGS: semiconductor device, refrigeration equipment, thermoelectric cooling,
thermoelectric equipment, AIR CONDITIONING EQUIPMENT, AIR HEATER

ABSTRACT:

The design and development of a semiconductor thermopile which is the basis
of a prospective all-year-round air conditioner for passenger railroad cars
is described. The thermopile is made from materials whose z is in the
range of $(2-2.2) \cdot 10^{-3}$ 1/K. The basic materials for its positive side are
 Sb_2Te_3 and Bi_2Te_3 ; for the negative side they are Bi_2Te_3 and Bi_2Se_3 . It
is made from 96 thermocouple elements (20 x 20 x 3.8 mm each) connected in
a series circuit with copper commutational plates which are finned on the
cold and hot sides. The fins are 40 and 60 mm high on the cold and hot sides,
respectively, and their thickness and the spacing between them are 0.5 mm

Card 1/2

UDC: none

ACC NR: AP7005267

and 1 mm. The hot junction is cooled by forced air circulation. The thermopile was bench-tested under simulated environmental conditions to determine its cooling and heating capacities. The maximum obtained cooling capacity was 425 w at a cooling factor of 0.57 for an airflow rate of 150 kg/hr. The heating capacity ranged from 170 to 600 w at a heating factor from 3.2 to 1.5 for an airflow rate of 222 kg/hr and an operating current range from 50 to 150 amps. A disadvantage of the thermopile is its low cooling factor in comparison to that of compression-type coolers. The thermopile heater is more efficient than electrical heaters, however. Since air conditioners on railroad cars operate as heaters for prolonged periods of time, it is economically advantageous to use semiconductor heat sources rather than conventional electric heaters. Orig. art. has: 4 figures and 19 formulas. [IV]

SUB CODE: 09, 13/ SUBM DATE: 14May65/ SOV REF: 003/ ATD PRESS: 5115

Cord 2/2

RAMAN, N. L.

"Investigation of the Rate of Heat Consumption in the Heating of Water in the Installation of Municipal Heating Systems." Cand Tech Sci, Power Engineering Inst imeni G. M. Krzhizhanovskiy, Acad Sci USSR, Riga, 1954. (KL, No 14, Apr55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

PLAUDE, Karl Karlovich; GRISLIS, Viktor Yanovich; RAMAN, M.L., kand.
tekh. nauk, retsenzent; VENGRANOVICH, A., red.; BCKMAN, R.,
tekh. red.

[Automatic control of the regulators of central hot-water heat-
ing systems; experience of the Laboratory of Thermal Systems]
Avtomaticheskoe regulirovanie sistem tsentral'nogo vodianogo
otopleniia; opyt rahoty Laboratorii teplovykh sistem. Riga,
Izd-vo Akad.nauk Latviiskoi SSR, 1959. 89 p. (MIRA 14:12)
(Hot-water heating--Regulators)

FA 57T13

USSR/Acad Sci

Aug 1947

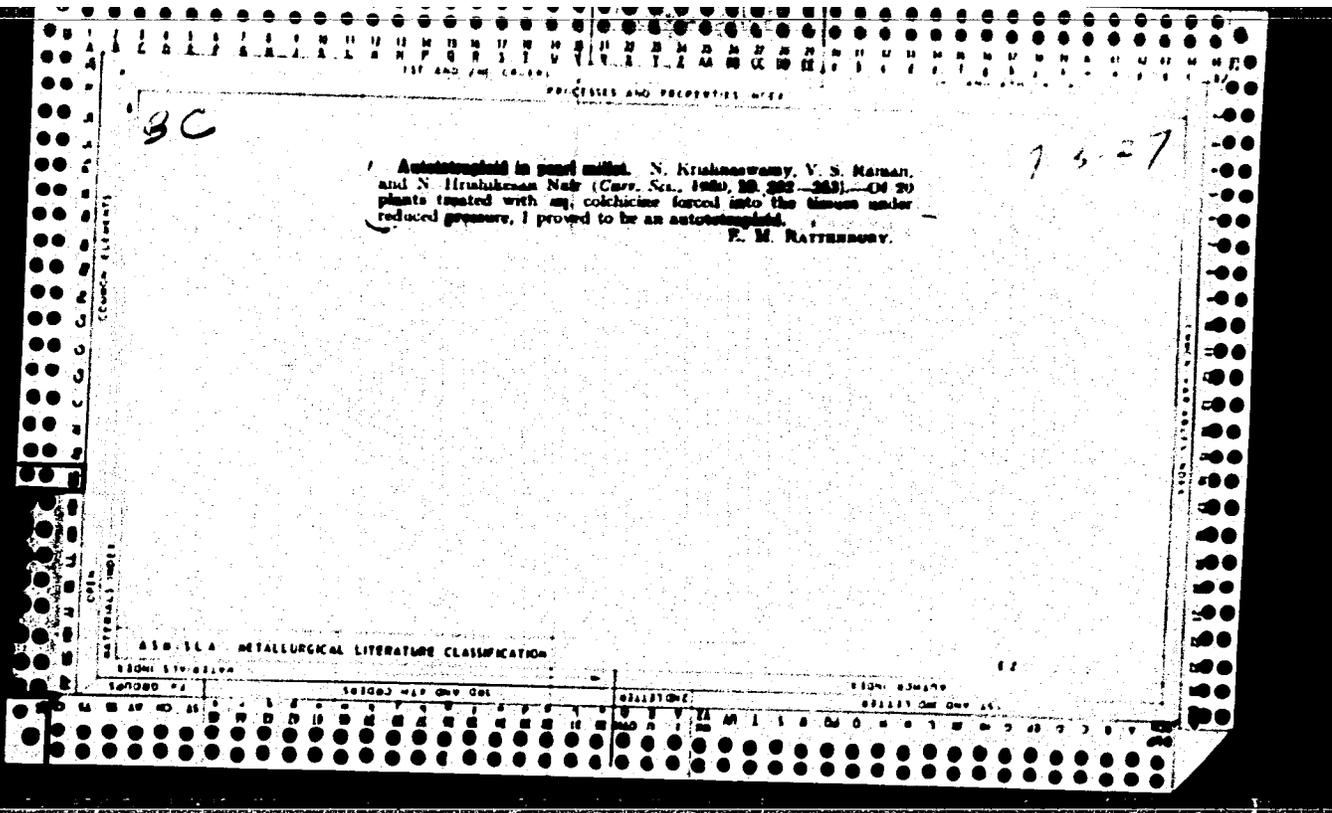
"Telegrams From Foreign Scientists" 2 pp

"Vest Akad Nauk SSSR" No 8

Venkama Raman (Bangalore), Frederic and Irene Joliot-Curie (Paris), Al'bert Sent-D'yerd (Budapest), Zdenek Nedyly (Prague), Todor Pavlov (Sofia), Konstantin Parkhon (Bucharest), and Kazimir Natsh (Krakow), have sent telegrams to the Academy of Sciences, USSR, its president, S. I. Vavilov, or its secretary, N. G. Bruyevich, expressing thanks at having been elected to membership in the Academy of Sciences, USSR.

FID

57T13



L 00801-67 EWI(m)/EWP(t)/EII IJP(c) JD

ACC NR: AP6026373 (A) SOURCE CODE: UR/0075/66/021/005/0564/0567

AUTHOR: Tutkuvėne, V. Ye. -- Tutkuvienė, V. E.; Ramanauskas, E. I. --
Ramanauskas, E. J. 23
B

ORG: Vilnius State University im. V. Kapsukas (Vil'nyuskiy gosudarstvennyy universitet) 27

TITLE: Extraction-photometric determination of microamounts of tellurium by a tetramethylthiuram disulfide

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 5, 1966, 564-567

TOPIC TAGS: tellurium, selenium, ion effect, thiuram

ABSTRACT: An extraction-photometric method has been suggested for determining tellurium with tetramethylthiuram disulfide (thiuram). Optimum conditions have been found for formation of the complex. The molar ratios of the interaction of tellurium with the reagent have been established. Beer's law is valid within 5--150 $\mu\text{g/ml}$ of tellurium in 5 ml. A method has been developed for separating tellurium from selenium. The experimental error for determining of tellurium is

Card 1/2

UDC: 543.70

L 00801-57

ACC NR: AP6026373

6%. The effect of extraneous ions was studied. Orig. art. has: 5 figures and
1 table. [Based on authors' abstract] [NT]

SUB CODE: 07/ SUBM DATE: 26Jun65/ ORIG REF: 003/ OTH REF: 003/

Card 2/2 mjs

ACC NR: AP7003462 (N) SOURCE CODE: UR/0236/66/000/002/0053/0060

AUTHOR: Ramanauskene, D. K. -- Ramanauskiene, D.; Matulis, Yu. Yu. --
Matulis, J.

ORG: Institute of Chemistry and Chemical Technology, AN LitSSR (Institut khimii i
khimicheskoy tekhnologii akademii nauk Litovskoy SSR)

TITLE: Decorative chromium coatings of increased corrosion resistance

SOURCE: AN LitSSR. Trudy. Seriya B. Fiziko-matematicheskiye, khimicheskkiye,
geologicheskkiye i tekhnicheskkiye nauki, no. 2, 1966, 53-60

TOPIC TAGS: chromium plating, corrosion resistance, electrolysis,
electrodeposition, current density

ABSTRACT: An analysis was made of the electrolytic composition and of the
optimum conditions of electrolysis for obtaining bright chromium coatings which
contain a net of microcracks. It was established that microcrack films of electro-
lytic chromium are obtained only by the electrodeposition of metal on the bright
sublayer of copper and nickel. The most dense net of microcracks is formed by
electrodeposition of chromium films 1-2 μ thick from chromium plating solutions

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containing 200 g/l chromic anhydride, 2 g/l strontium sulfate, and 6—8 g/l potassium silico-fluoride. Under identical conditions, the number of microcracks per unit of the chromium film surface depends to a great degree on current density. The lower the cathodic current density the greater the number of microcracks. In this connection, it is good practice to conduct the electrolysis with a current density of 17.5—25 amp/dm² at a temperature of 45 C, since in this range the density of the crack net depends least on the current density. The corrosion resistance of coatings combined with films of microcracked chromium is considerably higher compared to that of standard chromium platings. Orig. art. has: 7 figures. [Authors' abstract] [NT]

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AUTHOR: Ramankulov, M. R.; Butt, Yu. M.; Timashev, V. V.

36
B+1

ORG: none

TITLE: Study of the properties of minerals and cements having CdO and TiO₂ in their composition

SOURCE: Moscow. Khimiko-tekhnologicheskii institut. Trudy, no. 45, 1964. Issledovaniya v oblasti khimii i tekhnologii silikatov (Studies in the field of silicate chemistry and technology), 38-44

TOPIC TAGS: cement, calcium mineral, cadmium compound, titanium dioxide, *SOLID MECHANICAL PROPERTY*

ABSTRACT: Clinker minerals and cements containing CdO or TiO₂ were synthesized by sintering. X-ray diffraction analysis showed the addition of CdO to tricalcium silicate in amounts from 1 to 10% to cause the formation of solid solutions and new phases in the system. A study of physicochemical properties of the Cd-containing minerals and cements showed that the changes occurring in the systems may cause either an increase or a decrease in strength depending upon the composition of the systems. In the case of tricalcium silicate, a rising CdO content reduces the strength of the mineral, owing to changes in the lattice of tricalcium silicate under the influence of Cd²⁺. Addition of CdO to calcium aluminoferrite also proved to be ineffective; on the contrary, it reduced the strength of the pure cement. A thermographic study of hydrated minerals and cements

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